

ABSTRACT

A 2 to n divider with integrated optics, where n is an integer greater than or equal to 2, including at least one 2 to 2 optical divider element in a substrate. The optical divider element comprises a first and a second guide with widths equal to W_1 and W_2 , respectively. The first and second guides are suitable for dividing an input light wave input into one of the guides, into a first and second output wave transported by the first and second guides respectively according to a determined division ratio. These first and second guides have at least three parts. A first part where the first and second guides move toward each other, a second part where the first and second guides are approximately parallel to each other and a third part where the first and second guides gradually separate from each other.